



# Axxanol™ 718-ESS

## Technical Data Sheet



ZERUST®/EXCOR® Axxanol™ 718-ESS is an electrical corrosion inhibitor spray that leaves a thin, water-displacing, non-staining, non-hardening, soft film, providing protection against challenging environments where acid gas vapors and humidity are present. Use Axxanol™ 718-ESS to safely protect electronic components, cabinets, junction boxes, and more. In addition to electronic applications, it can be used on any metal surface, such as hinges, machinery, and sliding parts, to provide corrosion protection and lubrication.

Easy to use, suited for in-service use, and intended for indoor and short-term outdoor protection and lubrication. Simply turn off the in-service electronic and apply with the ready-to-use spray bottle or aerosol can. During drying, the solvent completely evaporates, leaving behind a safe, thin, water-displacing, non-staining, non-hardening, soft film that does not modify the conductivity of electronic components. Axxanol™ 718-ESS contains no CFCs or 1,1,1-Trichloroethane and was designed to conform to key aspects of MIL-PRF-81309H.

For over 50 years, beginning with the invention of Vapor Corrosion Inhibiting (VCI) film packaging, ZERUST® has led the market in quality corrosion solution products. We are dedicated to providing expert corrosion management services and broadening the range of corrosion solutions for our customers. In addition, ZERUST® users have access to on-site support from ZERUST®/EXCOR® representatives in more than 70 countries. As a result, our customers have peace of mind when they choose ZERUST® for corrosion control management.

### Typical Properties

Appearance	Amber solvent liquid dries to a thin, water-displacing, non-staining, non-hardening, soft film.
Substrates	Multimetal compatible
Coverage*	65 ft <sup>2</sup> (6 m <sup>2</sup> ) per gal
Wet film thickness (WFT)	2 mil (50 µm)
Drying	≈ 60 mins @ 70°F (21°C)
VOC content EPA Method 24	Spray bottle - 6.02 lb/gal (722 g/L). Aerosol - 7.52 lb/gal (902 g/L)
Flashpoint ASTM D93	145°F (63°C)
Kinematic viscosity	Water like
Compatibility	Since Axxanol™ 718-ESS is a stand-alone corrosion inhibitor product that creates a film on the metal surface, the VCIs may not reach the metal surface, so they will not provide any additional corrosion protection. However, if there are hard-to-reach metal surfaces that are not coated by Axxanol™ 718-ESS and are in a sealed enclosure, ZERUST® Vapor Capsules may be used to provide VCI protection to those surfaces.

\*The theoretical coverage estimates, based on the stated wet film thicknesses (WFT), should only be used as a guide. These estimates were generated based on internal lab measurements of product coating on flat, smooth 1010 steel stock. Actual coverage data will vary in actual use based on the method of application, type of equipment used, part geometry, surface roughness, drain-off time, drag-out rate, evaporative loss, etc.

***This data sheet provides general guidelines for operation, application, and removal. Please contact your ZERUST®/EXCOR® account representative for more specific recommendations on your particular operation and conditions.***

### Operating Summary

- Ready-to-use solvent-based corrosion inhibitor spray for electrical applications.
- Typical application temperature: ambient in most operations.
- See Safety Data Sheet (SDS) section 7 for safe handling recommendations.

### Application Technologies

- Can be used in spray processes.
- Shut off power when applying.

### Product Removal

- Axxanol™ 718-ESS can be removed from the metal surface with the use of mineral spirits type solvent and gentle wiping with a lint-free cloth.



product information  
and photos

## Availability

ZERUST®/EXCOR® Axxanol™ 718-ESS is sold as a ready-to-use liquid product. Contact your ZERUST®/EXCOR® representative for ordering information.

Part Number	Quantity*
350-M-00092AC	12 oz (320 g) aerosol cans (12/case)
350-M-00092PT	16 oz (453 g) bottles w/ spray nozzles (12/case)

\*Product sold in US customary units. Metric units approximate.

## Storage

- Store in a cool, dry place and away from sunlight in the original packaging.
- Optimal storage temperature is 50 – 90°F (10 – 32°C) for up to 2 years from the date of shipment.
- Product is a combustible product and should be stored appropriately.
- Reseal or close the container cap after each use.

## Disposal

- Dispose of in accordance with local, national, and international regulations.

## Precautions

- Always mix well before use.
- Avoid placing metal surfaces in direct contact with wood or cardboard (sources of moisture and acid).
- Wear personal protective equipment as stipulated in the Safety Data Sheet (SDS).
- Refer to SDS for more safety information.

### ‡ DECLARATION

Corrosion protection claims are based on Northern Technologies International Corporation (NTIC) internal laboratory testing performed under controlled parameters on contaminate-free substrates. Real-world application corrosion protection duration on different substrates will vary and depends on factors such as, but not limited to, the application or use, environmental / storage conditions, surface cleanliness, type of substrates, and coating thickness (where applicable). The use of the term "Up to" in reference to time is defined as any time duration from zero up to a specified time frame, but in no event beyond the specified time frame. The use of the term "for years" is based on NTIC's experience with its products but is in no way guaranteed. The use of the term "Up to" in reference to volume is defined as any volume from zero up to a specified volume but in no event beyond the specified volume of protection. It is the customer's / user's obligation to evaluate product performance, corrosion protection duration, safety, and suitability for intended use within the scope advised in the data sheet and to comply with all applicable laws and regulations. **LIMITED WARRANTY/DISCLAIMER** Warranty is limited to the replacement of a product that fails to meet specifications. For full warranty and disclaimer information, visit [www.zerust.com/warranty](http://www.zerust.com/warranty).

©2013-2024 Northern Technologies International Corporation (NTIC). All Rights Reserved. NTIC is the owner of the following trademarks: ActivPak®, Cor Tab®, EXCOR®, Flange Saver®, ICT®, Natur-VCI®, NTI®, Plastabs®, Z-CIS®, Zerion®, ZERUST®, 洁乐特®, Z-PAK® and the Color "Yellow". ABRIGO®, UNICO®, and VALENO® are registered trademarks of EXCOR GmbH, a Joint Venture Partner of NTIC.

A product of:  
Northern Technologies  
International Corp  
4201 Woodland Road  
Circle Pines, MN 55014  
USA

Phone. +1 763.225.6600  
Fax. +1 763.225.6645  
sales@zerust.com  
www.zerust.com

Rev A

